

ASWIN THAPA

+91-6296817932 ♦ Bangalore,INDIA

aswinthapa16@gmail.com ♦ github.com/AswinThApa04

OBJECTIVE

Final-year Electronics and Communication Engineering student with a strong interest in full-stack web development. Experienced in building real-time, responsive applications using JavaScript, React and Python. Passionate about transitioning into IT through hands-on projects, and eager to contribute to innovative, scalable tech solutions.

EDUCATION

Bangalore, Karnataka	Cambridge Institute of Technology	Nov 2021 – May 2025
• B.E. in Electronics and Communication Engineering. CGPA:8.29/10		
12th – Don Bosco School, Siliguri		May 2020 – Jul 2021
10th – Goethals Memorial School, Kurseong		Feb 2018 – May 2019

SKILLS

Frontend: HTML, CSS, JavaScript,

Languages: C++, Python, JavaScript

Database: SQL

Tools: Git, GitHub, Postman

Other: Chart.js, Leaflet.js, Simulink, Verilog

PROJECTS

Weather App with AQI & Map View

Built a responsive weather app using HTML, CSS, and JavaScript to display 10-day forecasts and real-time PM2.5 AQI. Integrated OpenWeatherMap API and used Chart.js and Leaflet.js for dynamic charts and map visualizations. Deployed on GitHub Pages with modular code and mobile-friendly design.

Ethernet Transmitter & Receiver with CRC

Designed and simulated an Ethernet communication module in Verilog. Implemented preamble, SFD, and CRC-32 error detection. Verified functionality using testbenches with a 50 MHz clock, gaining experience in digital design and simulation.

IPL 2022 Data Visualizer

Created a Python-based data visualizer using Pandas and Plotly for IPL 2022 match data. Analyzed and visualized key insights like match outcomes, toss decisions, and top performers with interactive charts. Strengthened EDA and data visualization skills.

CERTIFICATIONS / COURSES

- HackerRank Python (Basic) – June 2023
- Samsung Innovation Campus – Python – Mar 2023